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**Glue cartridge for anchor bolt - has ingredients in expendable housing  
one behind the other and partition of same ingredients**

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Patent Family:

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EP 535411	A1	19930407	EP 92115367	A	19920909	F16B-013/14	199314 B
DE 4132625	A1	19930408	DE 4132625	A	19911001	F16B-013/14	199315
JP 5214899	A	19930824	JP 9233256	A	19920220	E21D-020/00	199338
EP 535411	B1	19950607	EP 92115367	A	19920909	F16B-013/14	199527
DE 59202449	G	19950713	DE 502449	A	10909	F16B-013/14	199533
			EP 92115367	A	19920909		

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Cited Patents: WO 8908202; WO 8908203

Patent Details:

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EP 535411	A1	G	9				
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DE 4132625	A1		6				
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DE 59202449	G			Based on		EP 535411	

Abstract (Basic): EP 535411 A

The glue cartridge has glue in two ingredients in an expendable housing inserted in an anchor-bolt hole. After the bolt is driven into the housing it forms a glue securing it there.

The ingredients (6,9) are contained in the housing (2) one behind the other in the driving direction, with a partition (8) between them formed by the same ingredients, with additives if desired. The latter can consist of solid particles of fine sand, and quartz grns. The first and second ingredients (12,13) of the partition can be in powder and liq. form respectively.

ADVANTAGE - Low cost and simple insertion, it being unnecessary to screw the bolt home.

Dwg.1/2

Abstract (Equivalent): EP 535411 B

Adhesive cartridge for a connecting dowel, comprising a destructible casing and a two-component adhesive, such as a resin and hardener, which combine after the introduction of the cartridge into a dowel hole and driving a dowel into the casing to form an adhesive fixing the dowel in the dowel hole, the adhesive components (6,9) being successively arranged in the casing (2) in the driving in direction and between them is provided a separating layer (8) formed from two-component adhesive (6,9) and optionally aggregates.

Dwg.1/2

Derwent Class: Q43; Q49; Q61

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C09J-009/00; C09J-011/00; E04B-001/38; E04B-001/48; F16B-011/00

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